OpenMNND and GeoMOOSE

Presented to:

2007 ND GIS Users Conference

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PROJECT BACKGROUND

A Minnesota – North Dakota Application Development Collaborative

- **Community GIS Technical Committee – Grant Application**

- **FGDC CAP Grant $75,000 – Approved by USGS**

- **Project Team – Grant Administrator**
  Steering Committee
  Project Coordinator
  Client Software Developers

- **Project Supporters**

PRESENTATION TOPICS

A Minnesota – North Dakota Application Development Collaborative

- ## OpenMNND

  ### Grant Project Name

- ## GeoMOOSE

  ### Open Source Software

PROJECT FOCUS

To provide local units of government with a cost-effective, consistent, open source web mapping solution to distribute information people want.

- **Deliver enhanced public access to GIS Data**

- **Web mapping software application technology**

- **Provide a consistent look and feel across multiple agencies**

- **Develop client-side interactive mapping tools**

- **Promote the use of WMS and WFS data services**

- **Promote collaborative efforts to reduces costs**

PROJECT WEB SITE

- **Home**

- **News**

- **Documentation**

- **Downloads**

- **Community**

http://www.openmnnd.org

PROJECT OUTCOMES

- **Dakota County**

- **McLeod County**

- **City of Apple Valley**

- **Metropolitan Mosquito Control District**

- **Buffalo-Red River Watershed District**

- **Morton County**
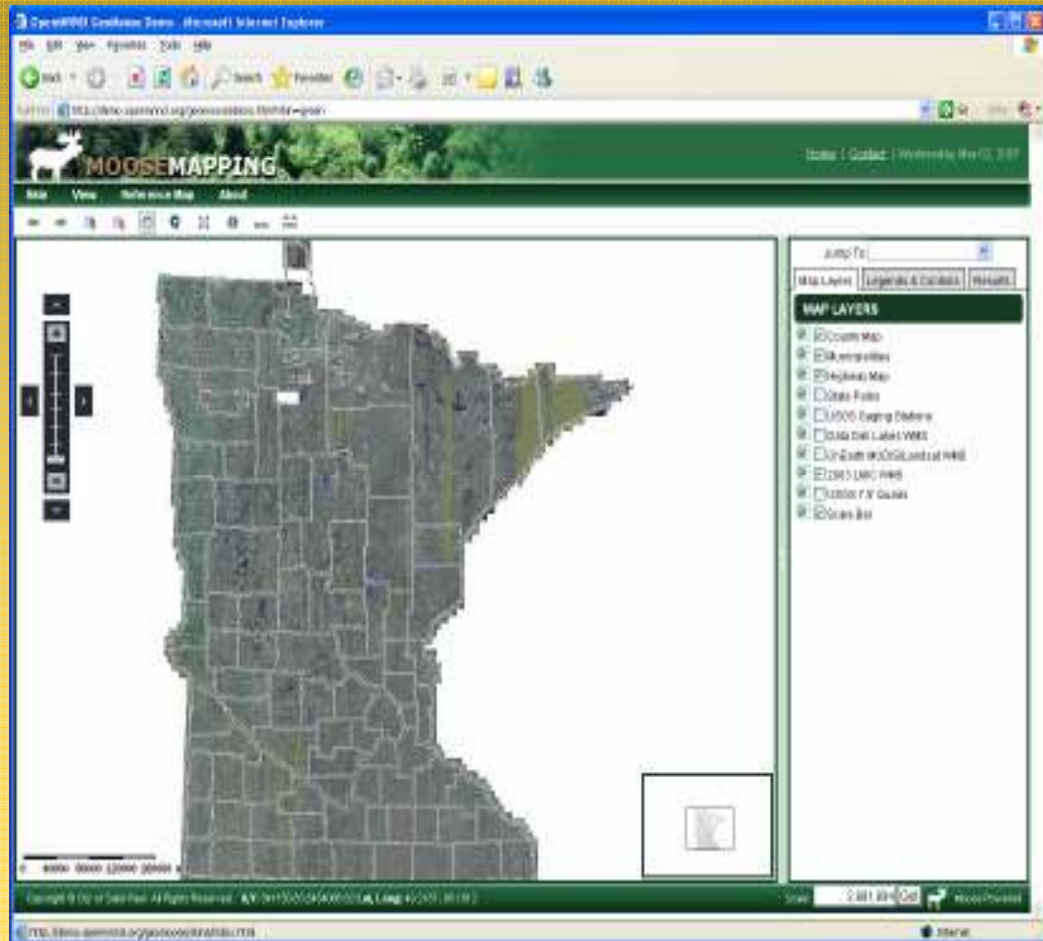
SOFTWARE DEVELOPMENT

- Application Selection – GeoMoose (City of St. Paul)

- Template Development – graphic design work

- Client-side code – HTML, CSS, XML, JavaScript, AJAX

- Downloadable package developed – MS4W

- Services developed - Identify, Selection, and Printing
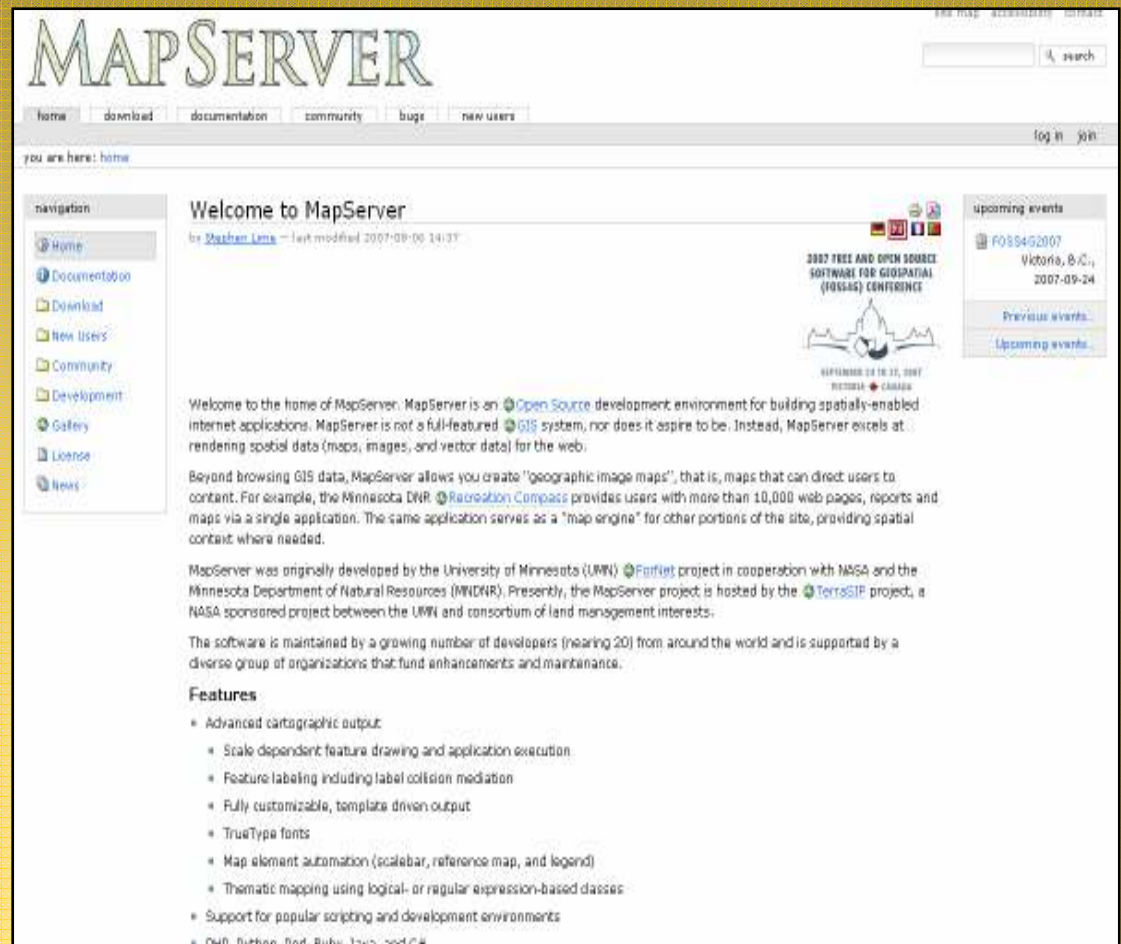
GEOMOOSE
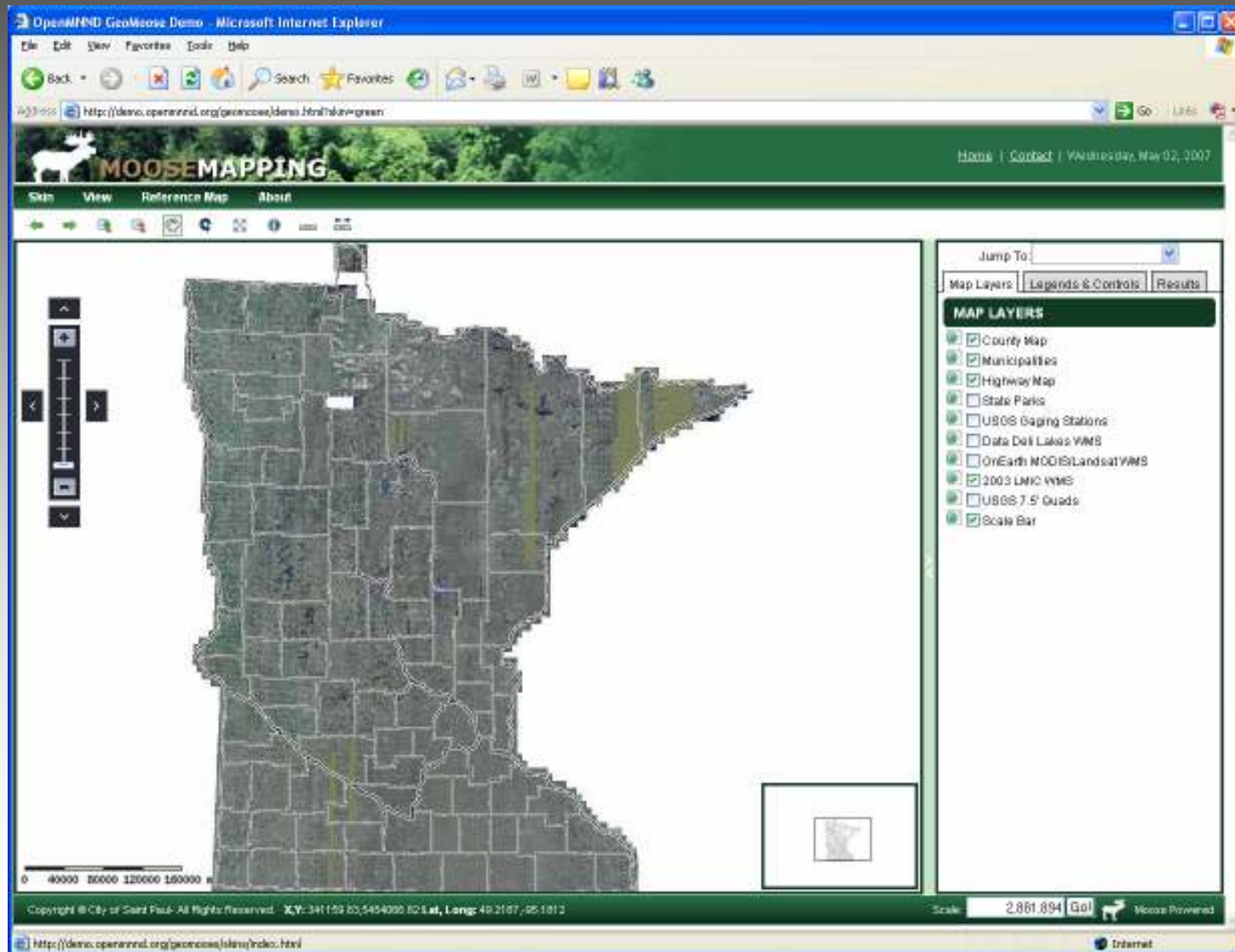
GEOMOOSE WEB SITE

- **Documentation**

- **Downloads**

- **Gallery**

- **Developers**

- **News**

- *State Application*

- *County Application*

http://www.geomoose.org
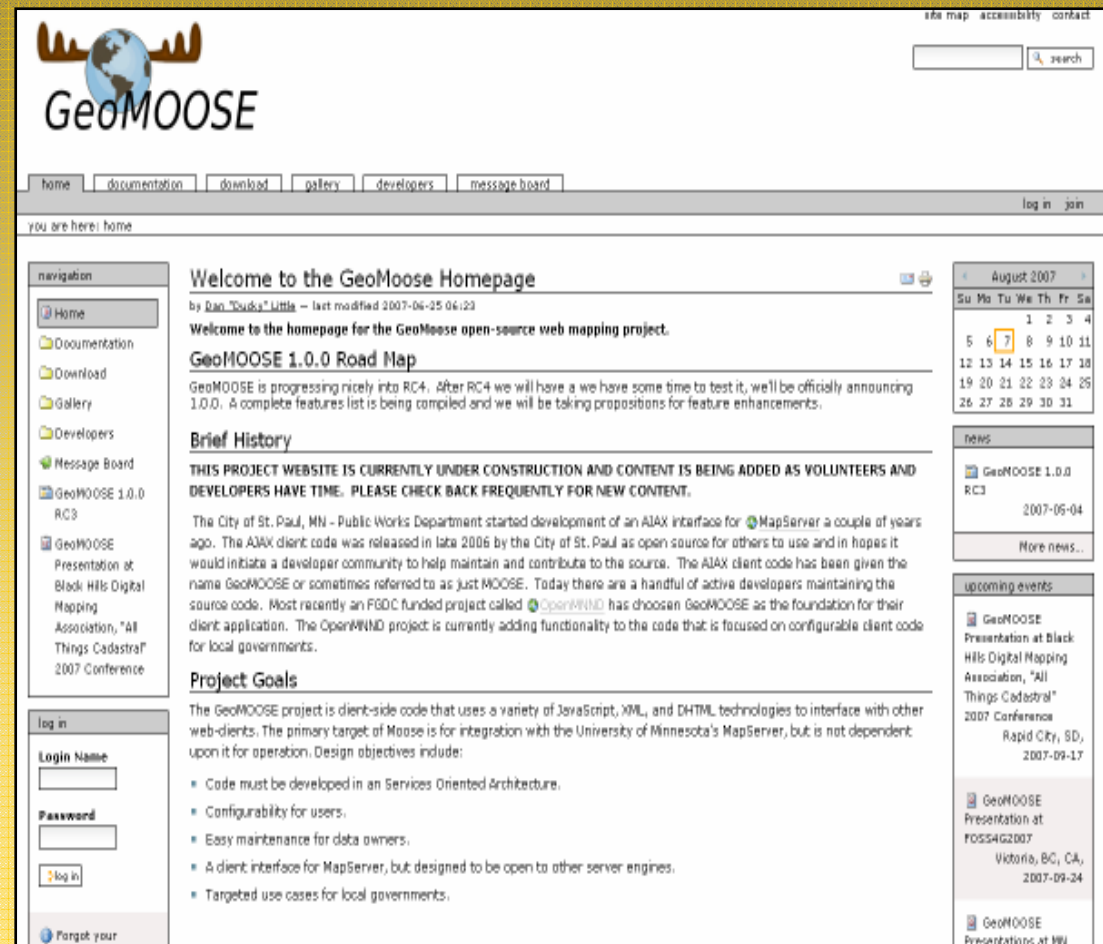
OPEN SOURCE SOFTWARE WEB SITE

- **Documentation**

- **Downloads**

- **Gallery**

- **Developers**

- **News**

- *World-wide*

http://www.openmnnd.org

PROJECT GOALS

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ACCESSING EXTERNAL DATA SOURCES
SIMPLE APPROACH

- **Land Records**

  Property Details

ACCESSING EXTERNAL DATA SOURCES
ADVANCED APPROACH

- **Neighborhood Information**

- **Oblique Imagery**

- **Land Records**

  - **Property Details**
  - **Tax Stub**
  - **Tax Statement**
  - **Subdivision Plat**
  - **Comparable Sales**
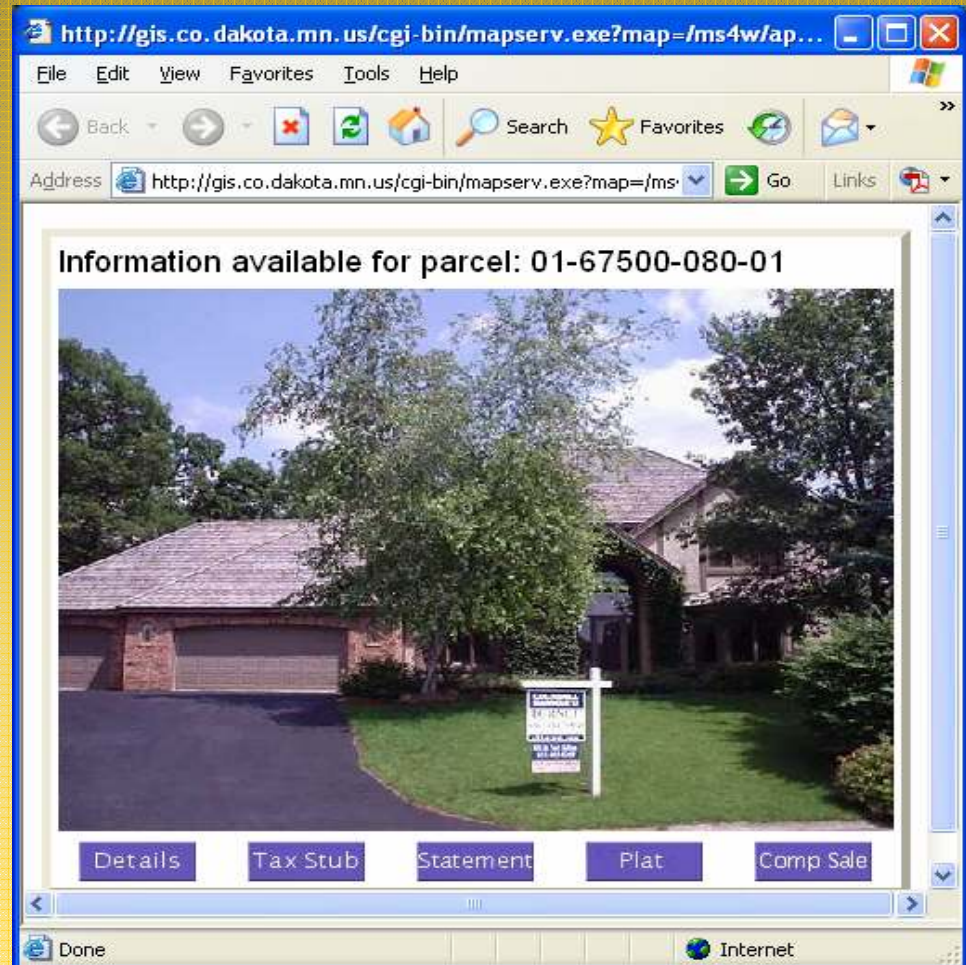
LOCAL GOVERNMENT EXAMPLES

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ACCESSING EXTERNAL IMAGE SERVERS

FGDC Requirement: WMS and WFS Data Services

- **North Dakota GIS Hub Explorer**

- **Minnesota Land Management Information Center** *Geospatial Image Server*

- **Addressing** *Lookup Service*
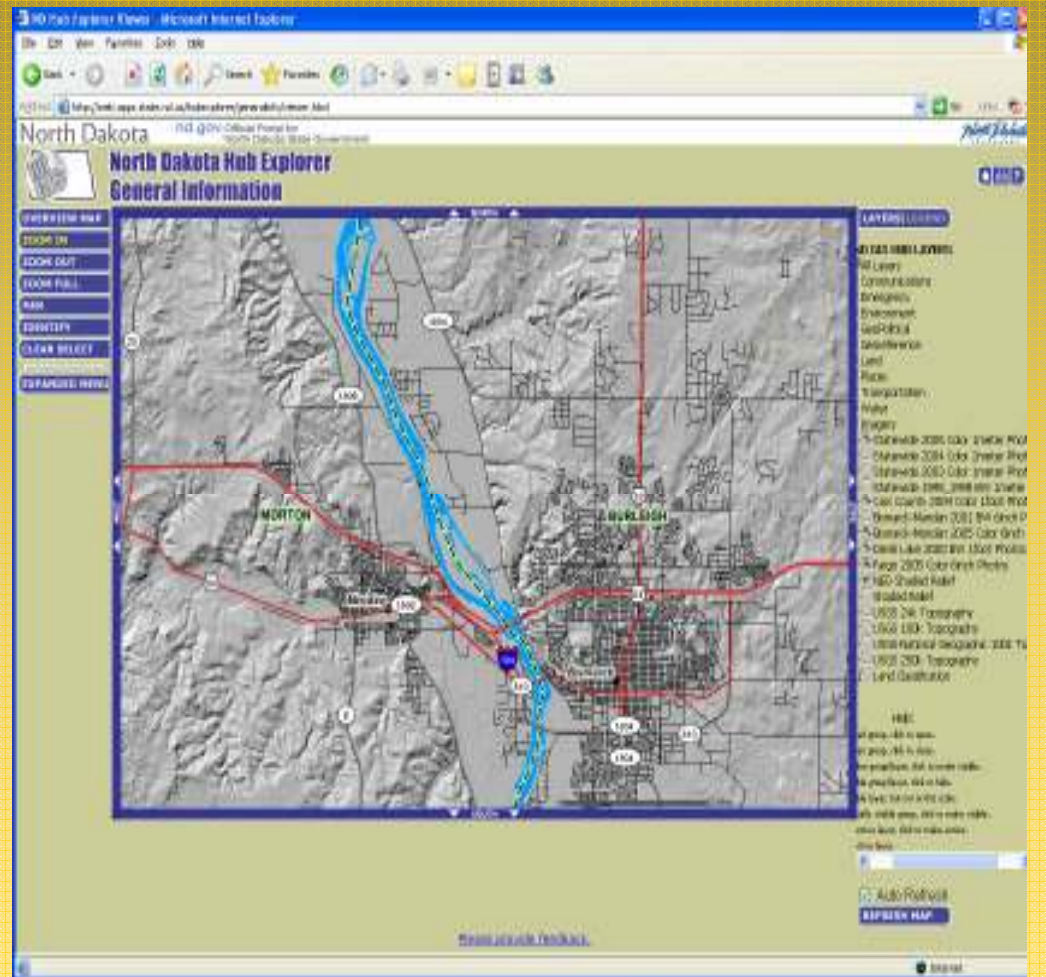
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COLLABORATIVE EFFORTS TO REDUCE COSTS

- **Metropolitan Mosquito Control**

  Address Locator Site Spraying

MORTON COUNTY'S STRATEGY

Utilize existing GIS Data and generate interest!

- Selected GeoMOOSE framework

- Integrated existing GIS data maintained by Highway Dept.

- Chose functionality and tools for web-mapping application

- Promoted the use of GIS Web Site

- Minimize costs

Chuck Morman
Will demonstrate the Morton County site and discuss project.